

HUB Firmware Upgrade Manual

V2.0
27nd February, 2023



CONTENTS

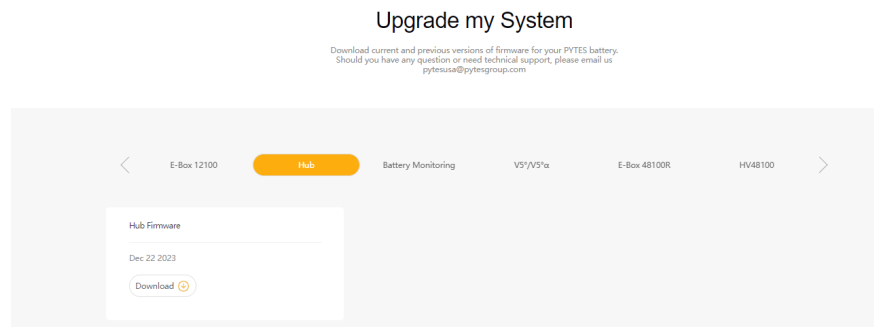
1. Prepare for the Upgrade	3
Step 1. Download the upgrade documents	3
Step 2. Install the hyper terminal	3
Step 3. Get the suitable cable.....	4
3. Start Upgrading.....	5
Step 1. Connect the cable	5
Step 2. Turn on the HUB.....	6
Step 3. Run the Hyper Terminal to Upgrade.....	6

1. Prepare for the Upgrade

Step 1. Download the upgrade documents

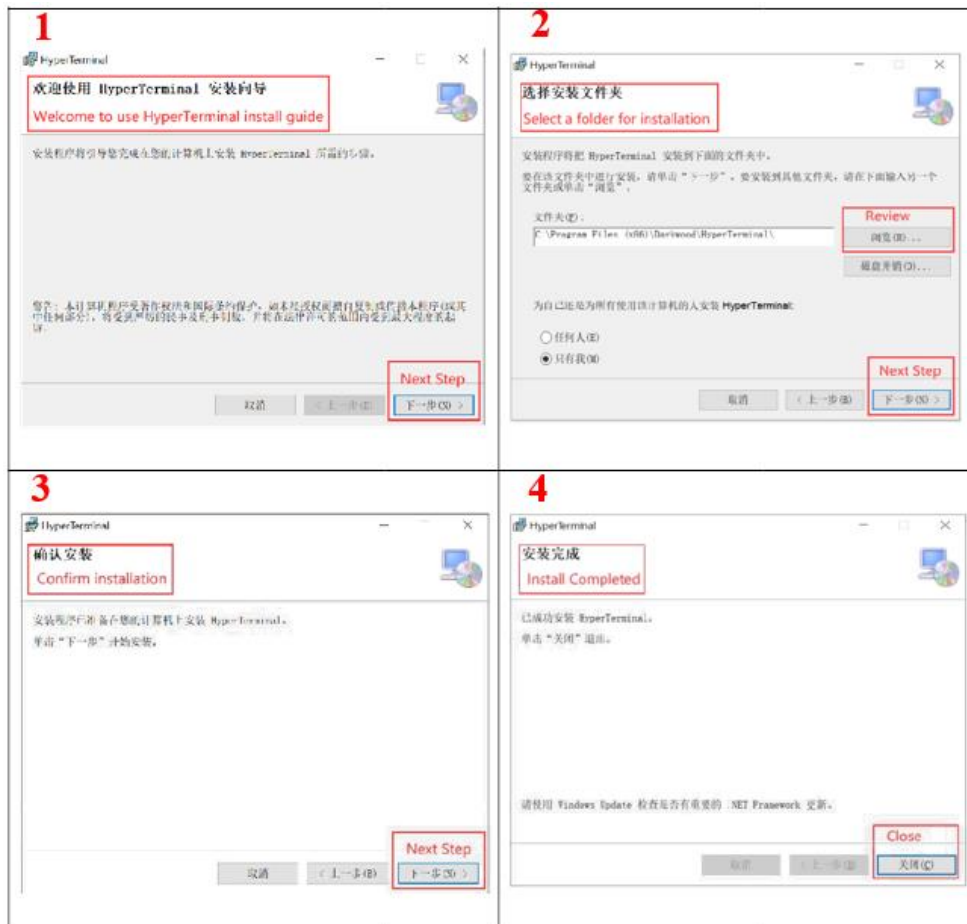
Download these three documents from this link:

<https://www.pytesusa.com/Upgrade-my-System/>



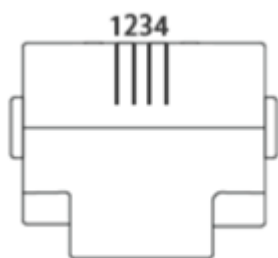
Step 2. Install the hyper terminal

Open [hyper_terminal latest.msi](#) File to Run the application.:



Step 3. Get the suitable cable

Type I for HUB (4 pin/RJ11 to USB)

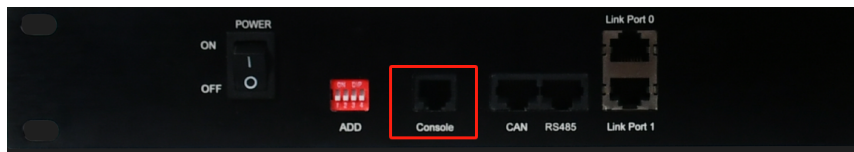


2. Start Upgrading

Step 1. Connect the cable

Connect the HUB and PC/laptop with the Cable. The crystal end plugs in HUB Console port and USB end plug in your PC/laptop.

HUB End



Computer End



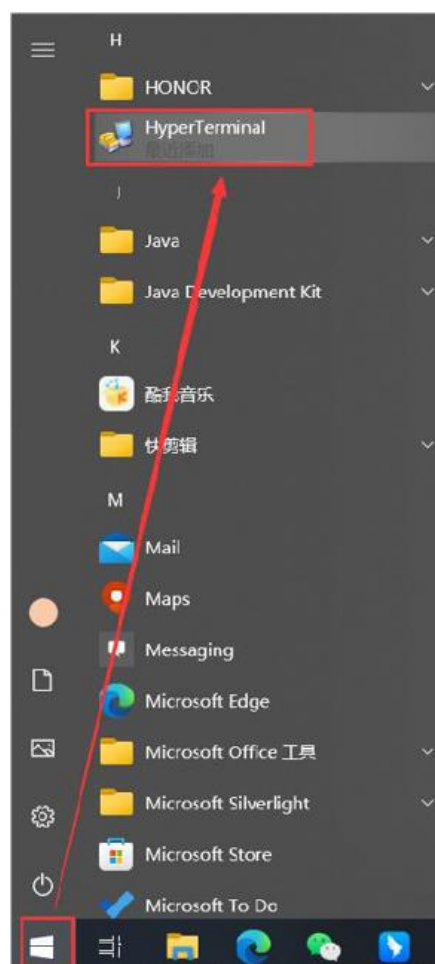
Step 2. Turn on the HUB

After wiring, turn on the HUB Power button.



Step 3. Run the Hyper Terminal to Upgrade

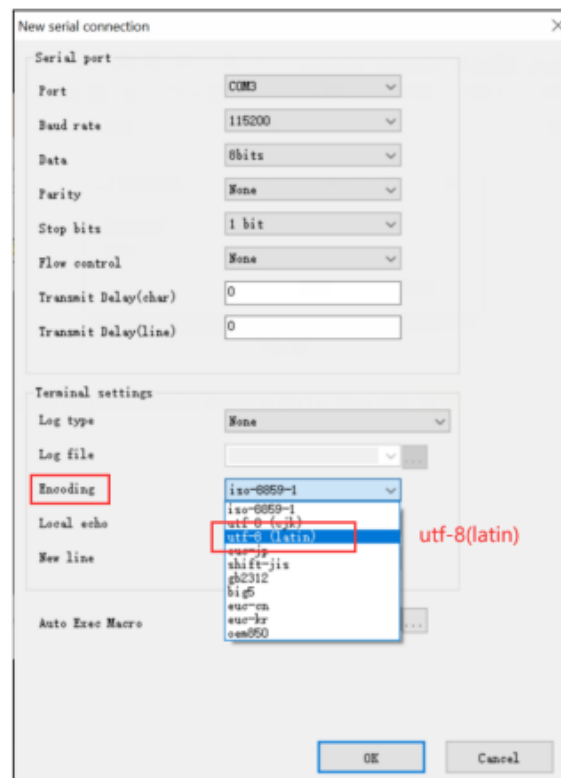
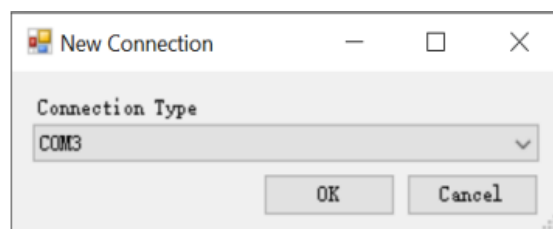
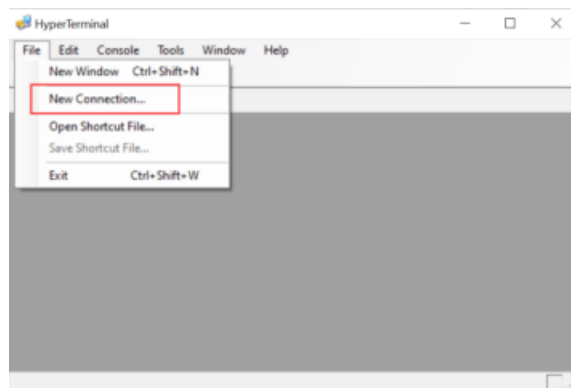
Open the Hyper Terminal



Create a new connection as following steps:

→Click File in Menu bar
→New Connection →COMX*
→Encoding →utf-8(latin)

*The COM number may vary, it doesn't matter.



Input "updata" to get upgrade program started as following steps:

***Please note that after starting this process, you must complete the upgrade and cannot quit in the middle, otherwise it will cause the battery to die.
If the upgrade is interrupted due to various force majeure reasons, please refer to the Battery Recovery Section to recover

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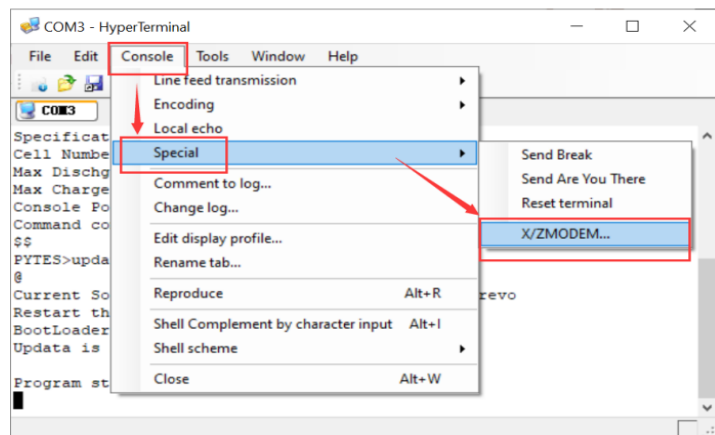
COM3 - HyperTerminal
File Edit Console Tools Window Help

COM3
Specification      : 51.2V/100AH
Cell Number       : 16
Max Dischg Curr   : -102000mA
Max Charge Curr   : 102000mA
Console Port rate : 115200
Command completed successfully
$$
PYTES>updata
@
Current Soft version : SPBMS16SRP2110V1.1.4
Restart the BMS system!
BootLoader soft version: V1.4
Update is ready!

Program start!
  
```

Steps 1:

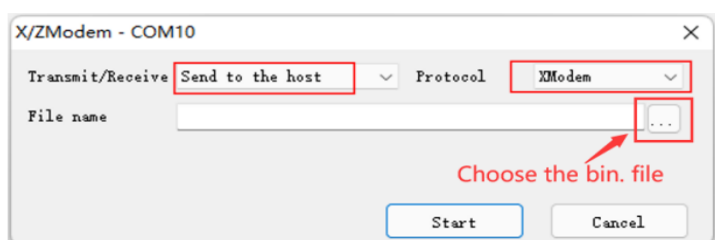
- Click Console in Menu bar
- Special → X/ZMODEM

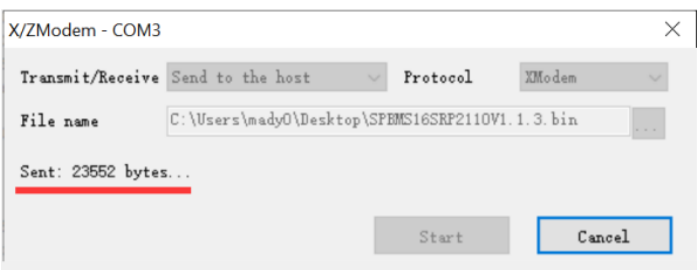
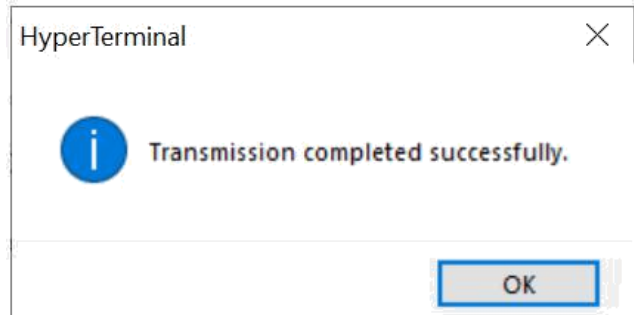


Steps 2:

- a. Select "Send to the host" for Transmit/Receive
- b. Select "XModem" for Protocol
- c. Review the bin. file path

* Please prepare the bin. file in advance according to your battery version.



Transmission processing	 A screenshot of the 'X/ZModem - COM3' dialog box. It features a 'Transmit/Receive' dropdown set to 'Send to the host' and a 'Protocol' dropdown set to 'XModem'. The 'File name' field contains 'C:\Users\madyO\Desktop\SPBMS16SRP2110V1.1.3.bin'. Below the file name, it says 'Sent: 23552 bytes...' with a red progress bar. At the bottom right are 'Start' and 'Cancel' buttons.
Transmission completed	 A screenshot of the 'HyperTerminal' dialog box. It displays a blue information icon followed by the text 'Transmission completed successfully.' At the bottom right is an 'OK' button.